

School Jam to national curriculum matching chart, Reception and KS1

Reception (Please note, Reception activities begin at Block 3 to allow children settling-in time at the beginning of the school year.)

School Jam Reception				National curriculum Early years	
Term	Block	Activity title	Activity type	Early learning goal	Skill
Autumn	Block 3, Comparing groups within 5	Making links with multilink	Maths help video	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
		Who's got more?	Practical activity	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
		Rocket launch 1	Digital activity	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
	Block 4, Change within 5	Caterpillar 1	Digital activity	ELG 11 Numbers	Say which number is one more or one less than a given number
		One more video, one less question!	Maths help video	ELG 11 Numbers	Say which number is one more or one less than a given number
		Big spoon, little spoon	Practical activity	ELG 11 Numbers	Say which number is one more or one less than a given number
	Block 5, Time	What happened next?	Practical activity	ELG 11 Numbers	Children use everyday language to talk about time to solve problems
		Time to talk maths!	Maths help video	ELG 11 Numbers	Children use everyday language to talk about time to solve problems
	Spring	Block 6, Number bonds within 5	Part-whole picnic	Practical activity	ELG 11 Numbers
A big part of mathematics			Maths help video	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
Sea share 1			Digital activity	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
Block 7, Numbers to 10		All aboard 1	Digital activity	ELG 11 Numbers	Children count reliably with numbers from 1 to 20, place them in order
		Treasure count	Practical activity	ELG 11 Numbers	Children count reliably with numbers from 1 to 20, place them in order

		10!	Maths help video	ELG 11 Numbers	Children count reliably with numbers from 1 to 20, place them in order
	Block 8, Comparing numbers within 10	Rocket launch 2	Digital activity	ELG 11 Numbers	They explore characteristics of everyday objects
	Block 9, Addition to 10	Jungle climb 1	Digital activity	ELG 11 Numbers	Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
	Block 10, Number bonds to 10	What makes 10?	Practical activity	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
		Maths in the frame!	Maths help video	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
		Bonds to 10	Digital activity	ELG 11 Numbers	Pre-requisite to: Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
	Block 11, Shape and space	Robot walk	Practical activity	ELG 12 Shape, space and measures	They explore characteristics of everyday objects and shapes and use mathematical language to describe them
		Secret shapes 1	Digital activity	ELG 12 Shape, space and measures	They explore characteristics of everyday objects and shapes and use mathematical language to describe them
		Shape up!	Maths help video	ELG 12 Shape, space and measures	They explore characteristics of everyday objects and shapes and use mathematical language to describe them
Summer	Block 12, Exploring patterns	Snakey snakes	Practical activity	ELG 12 Shape, space and measures	They recognise, create and describe patterns
		Patterns everywhere!	Maths help video	ELG 12 Shape, space and measures	They recognise, create and describe patterns
		All aboard 2	Digital activity	ELG 12 Shape, space and measures	They recognise, create and describe patterns
	Block 13, Counting on and counting back	Party time!	Practical activity	ELG 11 Numbers	Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer
		Unwrap maths 1	Digital activity	ELG 11 Numbers	Using quantities and objects, they add and subtract 2 single-digit numbers and count on or back to find the answer

	Block 14, Numbers to 20	All aboard 3	Digital activity	ELG 11 Numbers	Children count reliably with numbers from 1 to 20, place them in order
		Mean teens	Maths help videos	ELG 11 Numbers	Children count reliably with numbers from 1 to 20, place them in order
	Block 15, Numerical patterns	Dice double	Practical activity	ELG 11 Numbers	They solve problems, including doubling, halving and sharing
		Big top balance 1	Digital activity	ELG 11 Numbers	They solve problems, including doubling, halving and sharing
		Feeding time 1	Digital activity	ELG 11 Numbers	They solve problems, including doubling, halving and sharing
		How odd!	Maths help video	ELG 11 Numbers	They solve problems, including doubling, halving and sharing
	Block 16, Measure	Measure freeze 1	Digital activity	ELG 12 Shape, space and measures	Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems
		A balancing act	Maths help video	ELG 12 Shape, space and measures	Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems
		Overflow!	Practical activity	ELG 12 Shape, space and measures	Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems

Year 1

School Jam Year 1				National curriculum programmes of study		
Term	Block	Activity titles	Activity type	Year	Domain	Pupils should be taught to:
Autumn	Block 1, Numbers to 10	Nature mathematics	Practical activity	Year 1	Number – number and place value	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
		Race to 10	Practical activity	Year 1	Number – number and place value	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
		Racing along a number track	Maths help video	Year 1	Number – number and place value [This video also matched objectives in Number – addition and subtraction]	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
	Block 2, Part-whole within 10	Missing numbers 1	Digital activity	Year 1	Number – number and place value	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
		Part-whole model. Why?	Maths help video	Year 1	Number – number and place value [This video also matched objectives in Number – addition and subtraction]	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
		Fruity hide and seek	Practical activity	Year 1	Number – number and place value	Represent and use number bonds and related subtraction facts within 20

	Block 3, Addition and subtraction within 10 (1)	Balance bridge 1	Digital activity	Year 1	Number – addition and subtraction	Represent and use number bonds and related subtraction facts within 20
	Block 4, Addition and subtraction within 10 (2)	Cloud and seek 1	Digital activity	Year 1	Number – addition and subtraction	Represent and use number bonds and related subtraction facts within 20
		Penguin pairs 1	Digital activity	Year 1	Number – addition and subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
		Finding the difference differently!	Maths help video	Year 1	Number – addition and subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
	Block 5, 2D and 3D shapes	Castle construction	Practical activity	Year 1	Geometry – properties of shape	Recognise and name common 2D and 3D shapes, including: 3D shapes [for example, cuboids (including cubes), pyramids and spheres].
		Shape up your shape vocabulary	Maths help video	Year 1	Geometry – properties of shape	Recognise and name common 2D and 3D shapes, including: 3D shapes [for example, cuboids (including cubes), pyramids and spheres].
		Caterpillar 2	Digital activity	Year 1	Geometry – properties of shape	Recognise and name common 2D and 3D shapes, including: 3D shapes [for example, cuboids (including cubes), pyramids and spheres].
Block 6, Numbers to 20	Number hunt 1	Digital activity	Year 1	Number – number and place value	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	

Spring	Block 7, Addition within 20	Ready, steady, add	Practical activity	Year 1	Number – addition and subtraction	Represent and use number bonds and related subtraction facts within 20
		Twenty ten, thirty ten ... forty ten? Using a ten frame	Maths help video	Year 1	Number – addition and subtraction	Represent and use number bonds and related subtraction facts within 20
		Don't get 13	Practical activity	Year 1	Number – addition and subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
	Block 8, Subtraction within 20	Avoid zero	Practical activity	Year 1	Number – addition and subtraction	Add and subtract one-digit and two-digit numbers to 20, including zero
		I don't know what you mean ... vocabulary	Maths help video	Year 1	Number – addition and subtraction	
	Block 9, Numbers to 50	Just one more to win	Practical activity	Year 1	Number – number and place value	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
		Number hunt: counting in 2s	Digital activity	Year 1	Number – number and place value	Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
		Missing numbers 2	Digital activity	Year 1	Number – number and place value	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
	Block 10, Introducing length and height	Measure mission 1	Digital activity	Year 1	Measurement	Measure and begin to record the following: lengths and heights
		Maths rules!	Maths help video	Year 1	Measurement	Measure and begin to record the following: lengths and heights
		Measure freeze 2	Digital activity	Year 1	Measurement	Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
	Block 11, Introducing weight and volume	Big top balance 2	Digital activity	Year 1	Measurement	Compare, describe and solve practical problems for: mass/weight

						[for example, heavy/light, heavier than, lighter than]
		Finding the capacity for more maths!	Maths help video	Year 1	Measurement	Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than]
		Jungle climb 2	Digital activity	Year 1	Measurement	Measure and begin to record the following: mass/weight
Summer	Block 12, Multiplication	Big top balance 3	Digital activity	Year 1	Number – multiplication and division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.
		Hip-hip-array!	Maths help video	Year 1	Number – multiplication and division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.
	Block 13, Division	Feeding time 2	Digital activity	Year 1	Number – multiplication and division	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.
	Block 14, Halves and quarters	Teddy share	Practical activity	Year 1	Number – fractions	Recognise, find and name a half as one of two equal parts of an object, shape or quantity
		A fraction of the way there ...	Maths help video	Year 1	Number – fractions	Recognise, find and name a half as one of two equal parts of an object, shape or quantity
	Block 15, Position and direction	Lucky number house	Practical activity	Year 1	Geometry – position and direction	Describe position, direction and movement, including whole, half, quarter and three-quarter turns.
	Block 16, Numbers to 100	Maths eclipse 1	Digital activity	Year 1	Number – number and place value	Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens

	All aboard 4	Digital activity	Year 1	Number – number and place value	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
	The value of place value	Maths help video	Year 1	Number – number and place value	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
	Bonds to 100	Digital activity	Year 1	Number – number and place value	Represent and use number bonds and related subtraction facts within 20
Block 17, Time	When did that happen?	Practical activity	Year 1	Measurement	Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening).
	Time for maths!	Maths help video	Year 1	Measurement	Sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening). Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
	Time freeze 1	Digital activity	Year 1	Measurement	Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
Block 18, Money	Coin drop	Practical activity	Year 1	Measurement	Recognise and know the value of different denominations of coins and notes

Year 2

School Jam Year 2			National curriculum programmes of study			
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
Autumn	Block 1, Numbers to 100	Who has the highest number?	Practical activity	Year 2	Number – number and place value	Recognise the place value of each digit in a two-digit number (tens, ones)
		Rocket launch 3	Digital activity	Year 2	Number – number and place value	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
		Is it more or less?	Maths help video	Year 2	Number – number and place value	Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs
		Counting kings and queens	Practical activity	Year 2	Number – number and place value	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
	Block 2, Addition and subtraction (1)	Missing numbers 3	Digital activity	Year 2	Number – addition and subtraction	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
		The value of place value in addition	Maths help video	Year 2	Number – addition and subtraction	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
		Caterpillar 3	Digital activity	Year 2	Number – addition and subtraction	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones
	Block 3, Addition and subtraction (2)	Balance bridge 2	Digital activity	Year 2	Number – addition and subtraction	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: two two-digit numbers
	Block 4, Money	Toy shop	Practical activity	Year 2	Measurement	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value

School Jam Year 2				National curriculum programmes of study		
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
		A bar of pure maths gold	Maths help video	Year 2	Measurement [This video also matches objectives in Number – addition and subtraction]	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
		Balance bridge 3	Digital activity	Year 2	Measurement	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
	Block 5, Multiplication and division (1)	Cloud and seek 2	Digital activity	Year 2	Number – multiplication and division	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.
		Hands and fingers	Practical activity	Year 2	Number – multiplication and division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
		Repeat after me ...	Maths help video	Year 2	Number – multiplication and division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
	Spring	Block 6, Multiplication and division (2)	Jungle climb 3	Digital activity	Year 2	Number – multiplication and division
What's fair – to group or to share?			Maths help video	Year 2	Number – multiplication and division	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication

School Jam Year 2				National curriculum programmes of study		
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
						and division facts, including problems in contexts.
		Caterpillar 4	Digital activity	Year 2	Number – multiplication and division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
	Block 7, Statistics	Tally champion!	Practical activity	Year 2	Statistics	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables
		Picture this!	Maths help video	Year 2	Statistics	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables
	Block 8, Length and height	The best guess	Practical activity	Year 2	Measurement	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
	Block 9, Properties of shape	Shapes in space 1	Digital activity	Year 2	Geometry – properties of shape	Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line
		Shape up that shape vocabulary!	Maths help video	Year 2	Geometry – properties of shape	Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces
		Cuboid captain	Practical activity	Year 2	Geometry – properties of shape	Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces

School Jam Year 2				National curriculum programmes of study		
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
		Unwrap maths 2	Digital activity	Year 2	Geometry – properties of shape	Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces
	Block 10, Fractions	Feeding time 3	Digital activity	Year 1	Number – fractions	Recognise, find and name a half as one of two equal parts of an object, shape or quantity
		Learn a fraction more	Maths help video	Year 1	Number – fractions	Recognise, find and name a half as one of two equal parts of an object, shape or quantity
		Folding fun	Practical activity	Year 1	Number – fractions	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. (year 1)
		Fraction freeze 1	Digital activity	Year 2	Number – fractions	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
Summer	Block 11, Position and direction	Police and thieves	Practical activity	Year 2	Geometry – position and direction	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)
		A new direction ...	Maths help video	Year 2	Geometry – position and direction	Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)
		Maths eclipse 2	Digital activity	Year 2	Geometry – position and direction	Order and arrange combinations of mathematical objects in patterns and sequences

School Jam Year 2				National curriculum programmes of study		
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
	Block 12, Problem solving and efficient methods	Making amounts 1	Digital activity	Year 2	Number – addition and subtraction	Use place value and number facts to solve problems.
		How much, please?	Practical activity	Year 2	Number – addition and subtraction	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
		Missing: numbers! If found please return!	Maths help video	Year 2	Number – addition and subtraction	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
		Magic maths	Practical activity	Year 2	Number – addition and subtraction	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
	Block 13, Time	Time freeze 2	Digital activity	Year 2	Measurement	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
		Learning time! Get in line!	Maths help video	Year 2	Measurement	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times
		Penguin pairs 2	Digital activity	Year 2	Measurement	Know the number of minutes in an hour and the number of hours in a day.
	Block 14, Weight, volume and temperature	More or less	Practical activity	Year 2	Measurement	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using

School Jam Year 2			National curriculum programmes of study			
Term	Block	Activity title	Activity type	Year	Domain	Pupils should be taught to:
						rulers, scales, thermometers and measuring vessels
		Number line fever!	Maths help video	Year 2	Measurement	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
		Balance bridge 4	Digital activity	Year 2	Measurement	Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
		Unwrap maths 3	Digital activity	Year 2	Measurement	Compare and order lengths, mass, volume/capacity and record the results using >, < and =